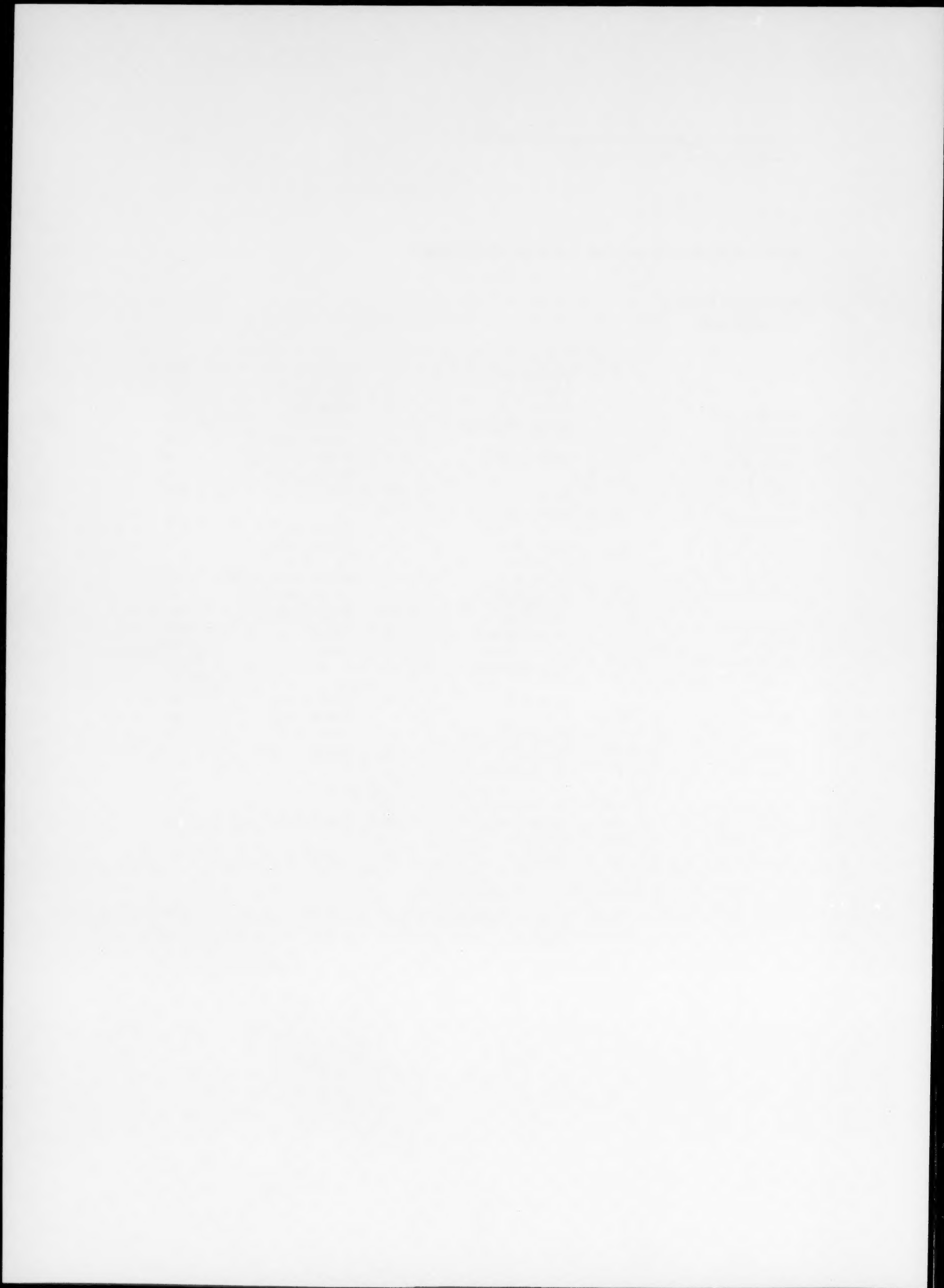


MECHANISMS OF AGING AND DEVELOPMENT

AUTHOR INDEX

Volume 53 (1990)

Aiello, V.R.	1	Harmon, H.J.	35	Seigneuret, M.C.	229
Bertrand, H.A.	9	Hauman, R.	17	Slagboom, P.E.	243
Boersma, W.	127	Herlihy, J.T.	9	Sohal, B.H.	217
Brunk, U.T.	209, 217	Hertogh-Huigbregts, A.	127, 141	Sohal, R.S.	209, 217
Bunag, R.D.	195	Hoffman, B.B.	111	Spindler, S.R.	101
Burns, E.A.	229	Katz, M.L.	277	Stacy, C.	9
Caplan, A.I.	179	Kermici, M.	73	Sternick, S.M.	1
Carmeliet, G.	17	Lum, L.G.	229	Svensson, I.	209
Carrino, D.A.	179	Martin, A.P.	157	Teravainen, T.L.	195
Cassiman, J-J.	17	Massie, H.R.	1	Thakur, M.K.	91
Chin, J.H.	111	Mote, P.L.	101	van Bezooijen, C.F.A.	169
Darnold, J.R.	157	Mukherjee, A.B.	61	van den Berghe, H.	17
David, G.	17	Nagelkerken, L.	127, 141	van Geel, C.A.J.	169
de Leeuw, W.J.F.	243	Ohsawa, T.	259	Vijg, J.	243
Dom, R.	17	Prasad, S.	91	Vissinga, C.	127, 141
Eriksson, L.	195	Pruche, F.	73	Vorbeck, M.L.	157
Ferluga, J.	267	Prunieras, M.	73	Walford, R.L.	101
Fryns, J-P.	17	Rao, G.	49	Wallace, K.C.	61
Gerhardt, K.O.	277	Richardson, A.	49	Weale, R.A.	85
Giddings, B.R.	229	Rouget, R.	73	Whitney, S.J.P.	1
Goodwin, J.S.	229	Roziing, J.	127, 141	Xia, E.	49
Grizzle, J.M.	101			Young, H.E.	179
				Zijlstra, J.	127



MECHANISMS OF AGEING AND DEVELOPMENT

SUBJECT INDEX

Volume 53 (1990)

- accommodative loss, ocular economics, evolution, senescence, 85
 β -actin, DNA methylation, mRNA, gene expression, aging, GAPDH, 243
adenine nucleotide translocase, aging, oxidative phosphorylation, cytochrome *c* oxidase, flux control coefficient, hepatic mitochondria, 157
ADP-ribosylation, HMG proteins, modulators, aging, 91
 β -adrenergic blockade, aging, baroreflexes, blood pressure, cholinergic blockade, heart rate, 195
age, antipyrine, drug metabolism, microsomes, rat, 169
ageing, CD3, IL-2, IL-2 receptor, 141
ageing, *Drosophila*, boron, 1
ageing, oxy-radicals, free radicals, antioxidants, superoxide dismutase, catalase, glutathione peroxidase, 217
aging, baroreflexes, blood pressure, β -adrenergic blockade, cholinergic blockade, heart rate, 195
aging, DNA methylation, mRNA, gene expression, β -actin, GAPDH, 243
aging, HMG proteins, ADP-ribosylation, modulators, 91
aging, immunity, antibody synthesis, vaccination, tetanus toxoid, 229
aging, oxidative phosphorylation, adenine nucleotide translocase, cytochrome *c* oxidase, flux control coefficient, hepatic mitochondria, 157
aging, oxy-radicals, free radicals, mitochondria, oxidative stress, longevity, oxygen, 209
aging, *P*-450 catalase, superoxide dismutase, mRNA, gene expression, 101
aging, thyroxine, triiodothyronine, diurnal rhythm, diet, 9
aging, vascular smooth muscle, beta adrenergic receptors, isoproterenol, cAMP dependent protein kinase, forskolin, 111
aging human, hair follicle, detoxification enzymes, 73
alloreactivity, CD4 + T cells, old mice, delayed type hypersensitivity, *in vitro* generation, 127
Alzheimer disease, Down syndrome, fibroblast, growth, life span, 17
antibody synthesis, aging, immunity, vaccination, tetanus toxoid, 229
antioxidants, oxy-radicals, free radicals, ageing, superoxide dismutase, catalase, glutathione peroxidase, 217
antioxidant enzymes, gene expression, superoxide dismutase, catalase, glutathione peroxidase, mRNA, 49
antipyrine, drug metabolism, microsomes, rat, age, 169
autofluorescent pigment, Batten's disease, storage disease, proteolysis, methylation, lipofuscin, 277
baroreflexes, aging, blood pressure, β -adrenergic blockade, cholinergic blockade, heart rate, 195
Batten's disease, autofluorescent pigment, storage disease, proteolysis, methylation, lipofuscin, 277
beta adrenergic receptors, vascular smooth muscle, aging, isoproterenol, cAMP dependent protein kinase, forskolin, 111
blood pressure, aging, baroreflexes, β -adrenergic blockade, cholinergic blockade, heart rate, 195
boron, *Drosophila*, ageing, 1
brain, cytochrome oxidase, carbon monoxide, mitochondria, kinetics, 35
cAMP dependent protein kinase, vascular smooth muscle, aging, beta adrenergic receptors, isoproterenol, forskolin, 111
carbon monoxide, cytochrome oxidase, brain, mitochondria, kinetics, 35
catalase, antioxidant enzymes, gene expression, superoxide dismutase, glutathione peroxidase, mRNA, 49

- catalase, oxy-radicals, free radicals, antioxidants, ageing, superoxide dismutase, glutathione peroxidase, 217
- CD3, ageing, IL-2, IL-2 receptor, 141
- CD4+ T cells, old mice, alloreactivity, delayed type hypersensitivity, *in vitro* generation, 127
- cellular aging, human X- and Y-chromatin, 61
- cellular senescence, tumor suppressor genes, DNA viruses, terminal differentiation, 267
- cholinergic blockade, aging, baroreflexes, blood pressure, β -adrenergic blockade, heart rate, 195
- cytochrome *c* oxidase, aging, oxidative phosphorylation, adenine nucleotide translocase, flux control coefficient, hepatic mitochondria, 157
- cytochrome oxidase, carbon monoxide, brain, mitochondria, kinetics, 35
- delayed type hypersensitivity, CD4+ T cells, old mice, alloreactivity, *in vitro* generation, 127
- detoxification enzymes, hair follicle, aging human, 73
- development, ganglioside, dorsal root ganglion, senescence, rat, 259
- diet, aging, thyroxine, triiodothyronine, diurnal rhythm, 9
- diurnal rhythm, aging, thyroxine, triiodothyronine, diet, 9
- DNA methylation, mRNA, gene expression, aging, β -actin, GAPDH, 243
- DNA viruses, cellular senescence, tumor suppressor genes, terminal differentiation, 267
- dorsal root ganglion, ganglioside, development, senescence, rat, 259
- Down syndrome, Alzheimer disease, fibroblast, growth, life span, 17
- Drosophila*, boron, ageing, 1
- drug metabolism, antipyrine, microsomes, rat, age, 169
- evolution, accommodative loss, ocular economics, senescence, 85
- fibroblast, Alzheimer disease, Down syndrome, growth, life span, 17
- flux control coefficient, aging, oxidative phosphorylation, adenine nucleotide translocase, cytochrome *c* oxidase, hepatic mitochondria, 157
- forskolin, vascular smooth muscle, aging, β -adrenergic receptors, isoproterenol, cAMP dependent protein kinase, 111
- free radicals, oxy-radicals, aging, mitochondria, oxidative stress, longevity, oxygen, 209
- free radicals, oxy-radicals, antioxidants, ageing, superoxide dismutase, catalase, glutathione peroxidase, 217
- ganglioside, dorsal root ganglion, development, senescence, rat, 259
- GAPDH, DNA methylation, mRNA, gene expression, aging, β -actin, 243
- gene expression, antioxidant enzymes, superoxide dismutase, catalase, glutathione peroxidase, mRNA, 49
- gene expression, DNA methylation, mRNA, aging, β -actin, GAPDH, 243
- gene expression, P-450 catalase, superoxide dismutase, mRNA, aging, 101
- glutathione peroxidase, antioxidant enzymes, gene expression, superoxide dismutase, catalase, mRNA, 49
- glutathione peroxidase, oxy-radicals, free radicals, antioxidants, ageing, superoxide dismutase, catalase, 217
- glycoproteins, sulfated glycoconjugates, proteoglycans, myogenesis, mouse, muscle, 179
- growth, Alzheimer disease, Down syndrome, fibroblast, life span, 17
- hair follicle, aging human, detoxification enzymes, 73
- heart rate, aging, baroreflexes, blood pressure, β -adrenergic blockade, cholinergic blockade, 195
- hepatic mitochondria, aging, oxidative phosphorylation, adenine nucleotide translocase, cytochrome *c* oxidase, flux control coefficient, 157
- HMG proteins, ADP-ribosylation, modulators, aging, 91
- human X- and Y-chromatin, cellular aging, 61
- IL-2, ageing, CD3, IL-2 receptor, 141
- IL-2 receptor, ageing, CD3, IL-2, 141
- immunity, aging, antibody synthesis, vaccination, tetanus toxoid, 229
- in vitro* generation, CD4+ T cells, old mice, alloreactivity, delayed type hypersensitivity, 127
- isoproterenol, vascular smooth muscle, aging, β -adrenergic receptors, cAMP dependent protein kinase, forskolin, 111
- kinetics, cytochrome oxidase, carbon monoxide, brain, mitochondria, 35

- life span, Alzheimer disease, Down syndrome, fibroblast, growth, 17
- lipofuscin, Batten's disease, autofluorescent pigment, storage disease, proteolysis, methylation, 277
- longevity, oxy-radicals, aging, free radicals, mitochondria, oxidative stress, oxygen, 209
- methylation, Batten's disease, autofluorescent pigment, storage disease, proteolysis, lipofuscin, 277
- microsomes, antipyrine, drug metabolism, rat, age, 169
- mitochondria, cytochrome oxidase, carbon monoxide, brain, kinetics, 35
- mitochondria, oxy-radicals, aging, free radicals, oxidative stress, longevity, oxygen, 209
- modulators, HMG proteins, ADP-ribosylation, aging, 91
- mouse, sulfated glycoconjugates, proteoglycans, glycoproteins, musculogenesis, muscle, 179
- mRNA, antioxidant enzymes, gene expression, superoxide dismutase, catalase, glutathione peroxidase, 49
- mRNA, DNA methylation, gene expression, aging, β -actin, GAPDH, 243
- mRNA, P-450 catalase, superoxide dismutase, aging, gene expression, 101
- muscle, sulfated glycoconjugates, proteoglycans, glycoproteins, musculogenesis, mouse, 179
- musculogenesis, sulfated glycoconjugates, proteoglycans, glycoproteins, mouse, muscle, 179
- ocular economics, accommodative loss, evolution, senescence, 85
- old mice, CD4+ T cells, alloreactivity, delayed type hypersensitivity, *in vitro* generation, 127
- oxidative phosphorylation, aging, adenine nucleotide translocase, cytochrome c oxidase, flux control coefficient, hepatic mitochondria, 157
- oxidative stress, oxy-radicals, aging, free radicals, mitochondria, longevity, oxygen, 209
- oxy-radicals, aging, free radicals, mitochondria, oxidative stress, longevity, oxygen, 209
- oxy-radicals, free radicals, antioxidants, ageing, superoxide dismutase, catalase, glutathione peroxidase, 217
- oxygen, oxy-radicals, aging, free radicals, mitochondria, oxidative stress, longevity, 209
- P-450 catalase, superoxide dismutase, mRNA, aging, gene expression, 101
- proteoglycans, sulfated glycoconjugates, glycoproteins, musculogenesis, mouse, muscle, 179
- proteolysis, Batten's disease, autofluorescent pigment, storage disease, methylation, lipofuscin, 277
- rat, antipyrine, drug metabolism, microsomes, age, 169
- rat, ganglioside, dorsal root ganglion, development, senescence, 259
- senescence, accommodative loss, ocular economics, evolution, 85
- senescence, ganglioside, dorsal root ganglion, development, rat, 259
- storage disease, Batten's disease, autofluorescent pigment, proteolysis, methylation, lipofuscin, 277
- sulfated glycoconjugates, proteoglycans, glycoproteins, musculogenesis, mouse, muscle, 179
- superoxide dismutase, antioxidant enzymes, gene expression, catalase, glutathione peroxidase, mRNA, 49
- superoxide dismutase, oxy-radicals, free radicals, antioxidants, ageing, catalase, glutathione peroxidase, 217
- superoxide dismutase, P-450 catalase, mRNA, aging, gene expression, 101
- terminal differentiation, cellular senescence, tumor suppressor genes, DNA viruses, 267
- tetanus toxoid, aging, immunity, antibody synthesis, vaccination, 229
- thyroxine, aging, triiodothyronine, diurnal rhythm, diet, 9
- triiodothyronine, aging, thyroxine, diurnal rhythm, diet, 9
- tumor suppressor genes, cellular senescence, DNA viruses, terminal differentiation, 267
- vaccination, aging, immunity, antibody synthesis, tetanus toxoid, 229
- vascular smooth muscle, aging, beta adrenergic receptors, isoproterenol, cAMP dependent protein kinase, forskolin, 111



